1. INTRODUCTION

Although Kodak® Prinergy® software jobs can be homed on a UNIX® tertiary server using Samba or NFS connectivity, Samba connectivity is better, because Prinergy recognizes the Samba tertiary as a Microsoft® Windows® 2000 operating system server. Kodak support staff are also more familiar with this configuration, making support easier. However, some customers may want to use NFS for file transfer and may not want to install Samba.

The procedure for setting up a Prinergy tertiary UNIX server using NFS includes the following steps:

1. Installing Services for UNIX (SFU) 3.5 or Services for NFS for Windows Server® 2003 R2 operating system on all Prinergy servers
2. Creating the Araxi account on the UNIX file server
3. Creating the AraxiVolume on the UNIX file server
4. Editing the host files of all servers
5. Copying the group files and password files from the UNIX file server to each Prinergy server
6. Configuring User Name Mapping on each Prinergy server
7. Adding the UNIX server as a Prinergy tertiary server
8. Adding the Apple® Macintosh® computer shares
9. Troubleshooting

2. INSTALLING SFU 3.5 ON ALL PRINERGY SERVERS

For Windows Server 2003 R2, use the procedure in section 3.

- The Kodak SFU 3.5 installation CD includes a .bat file that indicates which files to install from the CD.
- Install the Client software version of SFU so that Prinergy can access the NFS share on the UNIX tertiary server. For instructions, see the *Microsoft Services for UNIX 3.5 Server and Client Installation and Configuration* document (750-00264A).

  Install the Server software version of SFU only if you need to host a share. Do not install SFU Server—it appears to have a negative impact on the Kodak Preps® digital imposition software FLIM in Prinergy 3.1.0.3.

3. INSTALLING SERVICES FOR NFS FOR WINDOWS SERVER 2003 R2 ON ALL PRINERGY SERVERS

1. Using the Add/Remove Windows Components wizard, install Services for NFS.
2. Install NFS Client and User Name Mapping.

Note: Do not install NFS Server unless you need to host an NFS share on the Windows computer.

4. CREATING THE ARAXI ACCOUNT ON THE UNIX FILE SERVER

- The user requires full read, write, and execute (RWE and/or 777) access to the Job Volume on the UNIX server.
- The password must match the Prinergy Araxi account password on all Prinergy servers.
- The user can be a member of the users group or whatever designation is used at the customer site.

5. CREATING THE ARAXIVOLUME ON THE UNIX FILE SERVER

The AraxiVolume is normally written as **AraxiVolume_<server name<_<drive letter>**. If the AraxiVolume is not at the Root level of shares, you must create a symbolic link. Prinergy should see the job home as **\\<Server name>\AraxiVolume**.

For example:

- **UNIX Server** = **SGI**
- **RAID volume Share** = **fcraid1**
- **Prinergy volume** = **/fcraid1/AraxiVolume_SGI_J**, where J is the arbitrary drive letter.

UNIX may want to export this out as **\\SGI\fcraid1\AraxiVolume_SGI_J**.

1. Create a symbolic link from the root of the UNIX file server using the command **ln –si /fcraid1/AraxiVolume_SGI_J AraxiVolume_SGI_J**.
2. Edit the **/etc/exports** file to contain **/fcraid1/AraxiVolume_SGI_J** and **/AraxiVolume_SGI_J**.
3. Re-run the **exportfs –a** file to re-export the shares. The result is:

   /AraxiVolume_SGI_J (good for Prinergy)

   /fcraid1/AraxiVolume_SGI_J (actual share)

   In Windows, you see both the full path to the Jobs folder and the alias via AraxiVolume.
4. In order for SFU to correctly follow the symbolic link, you may need to add a registry setting on all Prinergy servers. To add the registry setting, use the procedure described in http://support.microsoft.com/default.aspx?scid=kb;en-us;330598.

   Create and set the **REG_DWORD** value of **HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Client for NFS\CurrentVersion\Users\Default\Defaults\MountSymlinkTargetShare = 1**.
5. Create and set the **REG_DWORD** value of **HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Client for NFS\CurrentVersion\Default\DisplayAllLinks = 1**.

6. EDITING THE HOST FILES OF ALL SERVERS

To resolve names to IP addresses, all Prinergy servers and the UNIX server must have host tables, as shown in the following example.

```
#     102.54.94.97     rhino.acme.com          # source server

#      38.25.63.10     x.acme.com              # x client host

127.0.0.1       localhost

# The following entries were added 12/19/06 for Prinergy and UNIX connectivity -
DC HZ

192.168.0.170  HW04436   # Prinergy Primary

192.168.0.175  HW04438   # Prinergy Secondary - Render Station / EPM+ Server

192.168.0.100  Para_o300 # Unix Host with (symbolic) share
AraxiVolume_Para_o300_J
```

7. COPYING THE GROUP FILES AND PASSWORD FILES FROM THE UNIX SERVER TO EACH PRINERGY SERVER

Copy the UNIX **/etc passwd** and **group** files to **D:\SFU\Creo**. For instructions, see 3.3 *Replacing the Default Group and passwd Files* in the *Microsoft Services for UNIX 3.5 Server and Client Installation and Configuration* document (750-00264A).

8. CONFIGURING USER NAME MAPPING ON EACH PRINERGY SERVER

Map the user names on each Prinergy server. For instructions, see 3.3 *Replacing the Default Group and passwd Files* in the *Microsoft Services for UNIX 3.5 Server and Client Installation and Configuration* document (750-00264A).

9. ADDING THE UNIX SERVER AS A PRINERGY TERTIARY SERVER

Test Prinergy on a Windows workstation. All mapping should work correctly

10. ADDING THE MACINTOSH SHARES

- Add the Macintosh share at the root level of **AraxiVolume_J**, not in the **Jobs** folder subdirectory as you normally would. For instructions, see the *Configuring Xserve Tertiary Servers* document (731-00771A), which is available on the Prinergy TechPlanet Procedures page.
- Edit the **OtherHost** file in the **%AraxiHome%\etc** folder directory, or edit the **OtherHost** file using Administrator in the AppleTalk mapping. You *must* use an asterisk (*) or a space in the **Zone** information.
- Verify that the **Zone** registry of the Prinergy primary server matches the Zone registry of the customer site or that it is an asterisk—for example, **HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Service\AppleTalk\Paramaters > current zone**. You must verify the key.
- Test Prinergy Workshop on a Macintosh workstation.

11. TROUBLESHOOTING

Verify the binding parameters of the network. For instructions, see the *UNIX Connectivity for Prinergy Installation and Configuration* document (72-3529B), which is available on the Prinergy TechPlanet Procedures page.